Sanitized Copy Approved for Release 2010/06/30 : CIA-RDP61-00763A000200010001-1

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10 June 1919

Mambrandum for a Acting Chief, Development Projects Sixteles

SUBJECT

: Oranger Countermeasures Reputter, Medel 504

	On 44	June	1959.	-	menting	-	held at	Potst	Auru	Mayal	Air
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- L. The first production Granger Black Box is now complete. It is presently undergoing inhoratory testing at Polo Aito and will be ready to deliver to Edwards Air Force Base for flight testing approximately to July 1959. This production article will have the additional feature of missile dappier deception as well as retaining the characteristics of the original system.
 - i. The proposed dight test program is as follows:
 - a. Test that the box functions properly at maximum sitteds of carrier stressit.
 - b. Test operation of system to perform equally as well as during the R & D phase. This test to be accomplished at Point Magu. using same type radar system as before.
 - e. Repeat b with c. w. doppler system activated to test priority circuit of Granger box.
 - d. Sepest "tall chase" using coppler only.
 - o. Test of how election testing tactical mission to tacture soom elimbs of tactical strerait using R-band tracking radars.

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25 YEAR RE-REVIEW

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(NOTE: It may be possible to combine a and e, and c and d, above. Item b cannot be combined with either a or d. since the doppler system can only be deactivated on the ground.)

- d. There is one large obstacle to the test program at this time: All F-105's with esitable fire control systems have been transferred from Sawards Air Force Base due to completion of the test program. It will be necessary to attempt to borrow an F-106 from the Palmdale production line through Coi. Coary (through Gon. Ruegg, AFMPP) to lay on the request to AMC. No particular problem is foresoon in accomplishing the necessary coordination. Major Rippert will make the request of Coi. Coary.
- Evenue in coordination with Communications Section, arrange for the secondary field technical representatives to be at I dwards Air Force Base on 20 July 1959 for so-the-jab training of installation, ground testing, and maintenance of the Granger system. It is doubtful that Granger is capable of sending technops to the field due to lack of personnel. It should not be accessary for them to do so since the system, although complex, is relatively straightforward for an electronice specialist. This training can be belief accomplished at I dwards than in the field, where both the high level of experience and the contractor will be swallable to assist in the program.

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Major, USAP Development Branch, SPE

DPD:RDM/ameb (Retyped DPD/kh)

Fistribution: O & I - Addresses

1 - Edwards Det.

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APPROVAL: Recommendations in parts. 5 approved.

BIGUE

*ILLIAM BURES Colonel, USAF Acting Chief, DPD-DE/F

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